

**PATENT APPLICATION**  
**Attorney Docket No. Q64288**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Reissue Application of

Christian Oldendorf, Franz-Josef Melcher, and Christoph Berg

Reissue Application of U.S. Patent  
5,902,965 issued on May 11, 1999

Filed: Herewith

For: ELECTRIC BALANCE FOR CORRECTING MISLOADING THEREOF

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

**IN THE CLAIMS:**

**Please add the following new claims:**

2. (New) An electronic balance for mixing a plurality of components according to a formula, comprising:

a weighing container, which receives the components to be mixed;

an electronic evaluation unit, including a recalculation mode for calculation of a quantity to be added for a component in the formula based on an overfill of a quantity of another component in the formula;

a display that displays a value of a quantity of a component presently added to the weighing container; and

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a key that when operated decrements the displayed value of the quantity of the presently added component.

3. (New) The electronic balance according to Claim 2, wherein the recalculation mode calculates a supplemental quantity to be added to an existing quantity of a previously added component, the supplemental quantity being necessitated by an overfill quantity of the presently added component, and wherein the key is operated to decrement the displayed value of the quantity of the presently added component by the overfill quantity of the presently added component.

4. (New) The electronic balance according to Claim 3, wherein, the recalculation mode calculates the required supplemental quantity to be added to the existing quantity of the previously added component based on the overfill quantity of the presently added component as determined by the operation of the key to decrement the displayed value by the overfill quantity of the presently added component.

5. (New) The electronic balance according to Claim 2, wherein the recalculation mode calculates a required adjustment to a quantity of a component to be subsequently added as a result of an overfill quantity of a presently added component, and wherein the key is operated to decrement the displayed value of the quantity of the presently added component by the overfill quantity of the presently added component.

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6. (New) The electronic balance according to Claim 5, wherein the recalculation mode calculates a supplemental quantity to be added to an existing quantity of a previously added component, based on the overflow quantity of the presently added component as determined by the operation of the key to decrement the displayed value by the overflow quantity of the presently added component.

7. (New) The electronic balance according to Claim 2, wherein the recalculation mode is based on a relationship:

$$m_{1\text{ new}}/m_{1\text{ formula}} = m_{2\text{ actual}}/m_{2\text{ formula}}$$

wherein  $m_{1\text{ formula}}$  is a formula weight of a first component;  $m_{1\text{ new}}$  is a recalculated weight of the first component based on an overflow quantity of a second component in the formula;

$m_{2\text{ formula}}$  is a formula weight of the second component; and  $m_{2\text{ actual}}$  is the formula weight of the second component plus the overflow weight of the second component.

8. (New) The electronic balance according to Claim 2, wherein the weighing container is a platform.

9. (New) The electronic balance according to Claim 2, further comprising:  
a first electronic storage memory for a weight of a first component in the weighing container, and

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a second electronic storage memory for a weight of a second component in the weighing container.

10. (New) A method of mixing a plurality of components according to a formula using an electronic balance having a surface and that displays a value of a quantity of a presently added component, comprising:

adding a quantity of a first component to the surface according to a formula value for the first component; and

adding a quantity of a second component to the surface according to a formula value for the second component; and

when the step of adding the quantity of the second component results in an overflow of the second component, operating a key to decrement a displayed value of the quantity of the second component to the formula value for the second component; and

activating an electronic evaluation unit in the scale to calculate a value for an additional quantity of the first component required to establish an actual proportion between the first and second components the same as a proportion between the first and second components in the formula.

11. (New) A method of mixing quantities of a plurality of components according to a formula using an electronic balance having a surface and that displays a value of a quantity of a presently added component, comprising:

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adding a quantity of one of the components to the surface according to a formula value for the one component; and

when the step of adding the quantity of the one component results in an overflow of the one component, operating a key to decrement a displayed value of the quantity of the one component to the formula value for the one component; and

activating an electronic evaluation unit in the scale to calculate a value for the quantity of the a further component required to establish an actual proportion of the quantities between the one component and the further component the same as a proportion between the quantities of the one component and the further component in the formula.

12. (New) An electronic balance for weighing out quantities of ingredients based upon a recipe of ingredients, comprising:

an ingredient weighing container positioned on the balance;  
electronic storage memory for the weight of a first ingredient in the weighing container;  
electronic storage memory for the weight of a second ingredient in the weighing container;

means to determine a ratio of the weights of the ingredients called for in the recipe; and  
display means to show an amount of the first ingredient needed to establish the ratio.

13. (New) An electronic balance for weighing out quantities of ingredients based upon a recipe of ingredients, comprising:

an ingredient weighing container positioned on the balance;

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electronic storage memory for the weight of a second ingredient in the weighing

electronics that determine a ratio of the weights of the ingredients called for in the recipe:

a display that shows an amount of the first ingredient needed to establish the ratio.

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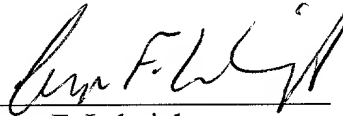
**REMARKS**

Entry and consideration of this Preliminary Amendment is respectfully requested.

Submitted herewith is an Explanation Of The Support In The Disclosure Of The Patent In Accordance With 37 C.F.R. § 1.173(c) for the foregoing new claims.

Applicants hereby authorize any required unpaid fee, except for the Issue Fee, to be charged to Deposit Account No. 19-4880.

Respectfully submitted,



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